					(Based on PTO 08-08 version		
	ostitute for form 1449/PTO			Complete if Known			
Sui	ostitute for form 1449/FTO			Application Number Filing Date First Named Inventor Art Unit Examiner Name	10/530,753		
l m	VEORMATION	ı Di	SCLOSURE	Filing Date	October 2, 2003		
S	TATEMENT	37	APPLICANT	First Named Inventor	Mariagrazia PIZZA		
~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	ALL LIOAN	Art Unit	1645		
	(Use as many sh	eets a	s necessary)	Examiner Name	B. Gangle		
Sheet	3	of	5	Attorney Docket Number	223002100300		
	·						

	U.S. PATENT DOCUMENTS							
Examiner Cite Document Number Publication Date Name of Palentee or Relevant Fill Initials* No. Number-Knd Code* (if known) MM-DD-YYYY Applicant of Cited Document								

	FOREIGN PATENT DOCUMENTS										
	aminer tials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁶ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^e				
Г							П				

Examiner	Date	
Signature	Consider	ed

"EXAMINER Initial if information considered, whether or not cliation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered, include copy of the form with next communication to applicant." Applicant's unique cutation designation number (optional). "Saw Kinds Codes for USPP 60 MILES ("Saw Kinds Codes for Codes

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit) and/or country where published.	T²
	48.	ABAD et al. (2008). "PorB2/3 Protein Hybrid in Neisseria meningitidis," Emerging Infectious Diseases, 14(4):688-689.	
	49.	ALA'ALDEEN et al. (1996). "The Meningococcal Transferrin-binding Proteins 1 and 2 are Both Surface Exposed and Generate Bactericidal Antibodies Capable of Killing Homologous and Heterologous Strains," Vaccine 14(1):49-53.	
	50.	BARTSEVICH et al. (March 7, 1997). "Molecular Identification of a Novel Protein That Regulates Biogenesis of Photosystem I, a Membrane Protein Complex," The Journal of Biological Chemistry 272(10):6382-6387.	
	51.	BETHELL et al. (2002). "Meningococcal vaccines," Expert Review of Vaccines 1(1):75-84.	
	52.	BOSLEGO et al. (1991). "Gonorrhea Vaccines" Chapter 17 in Vaccines and Immunotherapy, S. Cryz (Ed.). pp. 211-223.	Г
	53.	BYGRAVES et al. (1992). "Analysis of the Clonal Relationships Between Strains of Neisseria Meningilidis by Pulsed Field Gel Electrophoresis," Journal of General Microbiology 138:523- 531.	
	54.	CANN et al. (1989). "Detection of Antibodies to Common Antigens of Pathogenic and Commensal Neisseria Species," Journal of Medical Microbiology 30:23-30.	
	55.	CAUGANT et al. (1987). "Genetic Structure of Neisseria Meningitidis Populations in Relation to Serogroup, Serotipe, and Outer Membrane Protein Pattern," Journal of Bacteriology 169(6):2781-2792.	
	56.	CHRISTODOULIDES et al. (1994). "Immunization with a Multiple Antigen Peptide Containing Defined B- and T-Cell Epitopes: Production of Bacterial Antibodies Group B Neisseria Meninglitidis," Microbiology 140:2951-2960.	
	57.	COONEY et al. (1993). "Three Contiguous Lipoprotein Genes in Pasteurella haemolytica A1 which are Homologous to a Lipoprotein Gene in Haemophilus Influenza Type B," Infection and Immunity 61(11):4682-4688.	

	(Based on PTO 08-08 version					
	bstitute for form 1449/PTO			Complete if Known		
30	ustible to total 14491 TO			Application Number	10/530,753	
1 11	NFORMATION	1 DI	SCLOSURE	Filing Date	October 2, 2003	
	TATEMENT E			First Named Inventor	Mariagrazia PIZZA	
`				Art Unit	1645	
	(Use as many sh	eets a:	necessary)	Examiner Name	B. Gangle	
Sheet	4	of	5	Attorney Docket Number	223002100300	
				•		

58.	DEMPSEY et al. (1991). "Physical Map of the Chromosome of Neisseria gonorrhoeae FA1090 with Locations of Genelic Markers, including Opa and Pil Genes," Journal of Bacteriology 173(17):5476-5486.	
59.	DEVRIES et al. (August 1996). "Invasion of Primary Nasopharyngeal Epithelial Cells by Neisseria meningilitidis is Controlled by Phase Variation of Multiple Surface Antigens," Infection and Immunity 64(9):2998-3006.	
60.	ELLIS (1988). "New Technologies for Making Vaccines" in Vaccines. Plotkin et al. (Eds.) pp.568-575.	
61.	FENG et al. (1996). "P55, an Immunogenic but Nonprotective 55-Kilodalton Borrelia burgdorferi Protein in Murine Lyme Disease," Infection and Immunity. 64(1):363-365.	
62.	GERVAIS et al. (1992). "Putative Lipoprotein Yaec Precursor," Database Swissport Acc No: p28635.	
63.	GUILLEN et al. (1996), "Expression in Escherichia Coli and Immunological Characterization of a Hybrid Class I-P64K Protein from Neisseria Meningitidis," Biotecnologia Aplicada 13(4):271- 275.	
64.	HERBERT et al. (1995). The Dictionary of Immunology. Academic Press: London 4 th edition, 3 pages.	
65.	HERBERT et al. (1985). The Dictionary of Immunology. Academic Press: London 3 rd edition, pp. 58-59.	
66.	HOLMES, E. (2001). "PSMA Specific Antibodies and their Diagnostic and Therapeutic Use," Expert Opinion on Investigational Drugs 10(3): 511-519.	
67.	JACOBSSON et al. (2009). Vaccine. 27:1579-1584.	
68.	JOLLEY et al. (2007). "Molecular typing of meningococci: recommendations for target choice and nomenclature," FEMS Microbiol. Rev. 31:89-96.	
69.	LEGRAIN et al. (1995). "Production of Lipidated Meningococcal Transferrin Binding Protein 2 in Escherichia Coli," Protein Expression and Purification 6:570-578.	
70.	MAIDEN et al. (1998). "Multilocus Sequence Typing: a Portable Approach to the Identification of Clones within Populations of Pathogenic Microorganisms," Proceedings of the National Academy of Sciences USA 95:3140-3145.	
71.	MORLEY et al. (2002). "Vaccine prevention of meningococcal disease, coming soon?" Vaccine 20:666-687.	
72.	NI et al. (1992). "Phylogenetic and Epidemiological Analysis of Neisseria meningitidis Using DNA Probes," Epidemiology and Infection 109:227-239.	
73.	PERKINS et al. (1998), "Immunogenicity of two efficacious outer membrane protein-based serogroup B meningococcal vaccines among young adults in Iceland," The Journal of Infectious Disease 177:683-691	
74.	PERRETT et al. (2005). "Towards an improved serogroup B Neisseria meningitidis vaccine," Expert Opinion on Biological Therapy 5(12):1611-1625.	
75.	PETTERSSON et al. (1999). "Sequence Variability of the Meningococcal Lactoferrin-binding Protein LbpB," Gene 231:105-110.	
76.	PIZZA et al. (March 10, 2000). "Identification of Vaccine Candidates Against Serogroup B Meningococcus by Whole-Genome Sequencing," Science 287(5459):1816-1820.	
77.	POOLMAN et al. (1985). "Colony Variants of Neisseria Meningitidis Strain 2996 (B:2b:P1.2): Influence of Class-5 Out Membrane Proteins And Lipolysaccharides," J. Med. Microbiol 19:203-209.	
78.	PCOLMAN et al. (1988). "Outer membrane protein serosubtyping of Neisseria meningitidis," European Journal of Clinical Microbiology and Infectious Diseases 7(2):291-292.	
79.	POOLMAN (1995). "Development of a Meningococcal Vaccine," Infectious Agents and Disease 4:13-28.	
80.	RENAULD-MONGENIE et al. (1997). "Identification of Human Transferrin-Binding Sites Within	

				Complete if Known		
Sub	ostitute for form 1449/PTO			Application Number	10/530,753	
INFORMATION DISCLOSURE				Filing Date	October 2, 2003	
				First Named Inventor	Mariagrazia PIZZA	
~				Art Unit	1645	
	(Use as many sh	eets a:	necessary)	Examiner Name	B. Gangle	
Sheet	5	of	5	Attorney Docket Number	223002100300	

	Meningococcal Transferrin-Binding Protein B," J. Bacteriology 197(20):6400-6407.
8	. ROITT, I. et al. (1993). Immunology. Mosby: St. Louis, 4th edition, pages 7,7-7,8.
8:	 ROSENQVIST et al. (1995). "Human Antibody Response to Meningococcal Outer Membrane Antigens after Three Doses of the Norwegian Group B Meningococcal Vaccine," Infection and Immunity 83(12):4642-4652.
8:	 SEILER et al. (1996). "Allelic polymorphism and site-specific recombination in the opc locus of Neisseria meningitidis," Molecular Microbiology 19(4):841-856.
8-	 TELFORD (June 2008). "Bacterial Genome Variability and Its Impact on Vaccine Design," Cell Host & Microbe 3(6):408-416.
8	 TETTELIN et al. (2006). "Towards a universal group B Streptococcus vaccine using multistrain genome analysis," Expert Rev Vaccines 25:687-694.
8	 TETTELIN et al. (March 10, 2000). "Complete Genome Sequence of Neisseria meningitidis Serogroup B Strain MC58," Science 287(5459):1809-1815.
8	 THOMPSON et al. (1994). "Clustal W: Improving the Sensitivity of Progressive Multiple Sequence Alignment through Sequence Weighting, Position-specific Gap Penalties and Weight Matrix Choice," Nucleic Acids Research 22(22):14673-4681.
8	THOMPSON et al. (1998). "Multiple Sequence Alignment with Clustal X," Trends in Biochemical Sciences 23:403-405.
8:	VAN DER LAY et al. (1992). "Construction of a Multivalent Meningococcal Vaccine Strain Based on the Class I Outer Membrane Protein," Infection and Immunity 60(8): 3516-3161.
91	VAN DER LAY et al. (1995). "Construction of Neisseria Meningitidis Strains Carrying Multiple Chromosomal Copies of the Prof A Gene for Use in Production of a Multivalent Outer Membrane Vesicle Vaccine," Vaccine 13(4): 401-101.
9	 VIRJI et al. (1992). "Variations in the Expression of Pili: the Effect on Adherence of Neisseria meningitidis to Human Epithelial and Endothelial Cells," Molecular Microbiology 6:1271-1279.
93	 WOLFF et al. (1992). "Phylogeny and Nucleotide Sequence of a 23S rRNA Gene from Neisseria gonorrhea and Neisseria meningitidis," Nucleic Acids Research 20(17):4657.

Examiner	Date	
Signature	Considered	

^{*}EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ⁹Applicant is to place a check mark here if English language Translation is attached.